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(71) Applicants (for all designated States except US): AECI LIMITED [ZA/ZA]; First Floor, AECI Place, 24 Woodlands, Woodlands Drive, Woodmead, 2128 Sandton (ZA). BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE [US/US]; Louisiana Agricultural Center, Post Office Box 25055, Baton Rouge, LA 70894 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VAN WALSEM, Hendrik, Johan [ZA/US]; 303 Third Street, Cambridge, MA 02142-1126 (US). SASKA, Michael [US/US]; 4735 Hyacinth Avenue, Baton Rouge, LA 70808 (US).

(74) Agents: DYER, Alison, Margaret et al.; Spoor and Fisher, PO Box 41312, 2024 Craighall (ZA).

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(54) Title: METHOD OF PREPARING A MODIFIED CORN STEEP LIQUOR PRODUCT

(57) Abstract: A method of preparing a modified corn steep liquor product from a corn steep liquor which includes suspended solids, high molecular weight compounds, phytic acid, and metal values includes the steps of: subjecting the corn steep liquor to ultrafiltration to remove the suspended solids and high molecular weight compounds; treating the product of step (a) with a phytase enzyme to convert the phytic acid to inositol-mono-phosphate; treating the product of step (b) with an acid phosphatase enzyme to convert the inositol-mono-phosphate to myo-inositol; adjusting the pH of the product of step (c) to from 7 to 9 inclusive using a soluble base which causes most or all of the Mg values to precipitate, and removing the precipitate; and contacting the product of step (d) with a strong acid cation chromatographic resin to produce a first fraction containing most of the remaining metal values, and a second fraction containing most of the myo-inositol, the second fraction being the modified corn steep liquor product.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12P7/02 B01D15/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C12P B01D A23J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Grittern, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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